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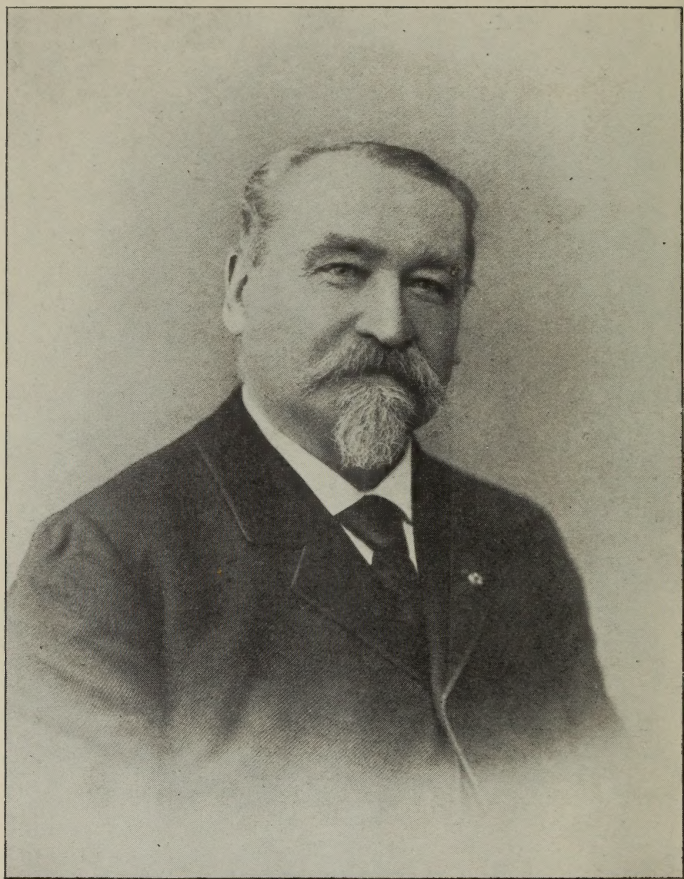
THE
TWENTY-EIGHTH ANNUAL REPORT
OF THE
BOARD OF DIRECTORS
OF THE
ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

(INCORPORATED MARCH 21ST, 1859.)

READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-
HOLDERS OF THE SOCIETY.

APRIL 26th, 1900.

PHILADELPHIA :
PRINTING HOUSE OF ALLEN, LANE & SCOTT,
1211-13 Clover Street.
1900.



WILLIAM CAMAC, M. D.,
FOUNDER AND FIRST PRESIDENT OF THE ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

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THE
ZOOLOGICAL SOCIETY OF PHILADELPHIA.

OFFICE, THIRTY-FOURTH STREET AND GIRARD AVENUE,
FAIRMOUNT PARK.

BOARD OF DIRECTORS:

CHARLES PLATT, <i>President,</i>	CHARLES M. LEA,
J. VAUGHAN MERRICK, <i>Vice-President,</i>	CHRISTIAN C. FEBIGER,
WILLIAM H. MERRICK,	DAVID W. SELLERS,
ISAAC J. WISTAR,	SAMUEL G. DIXON, M. D.,
CHARLES W. TROTTER, <i>Vice-President,</i>	J. BAYARD HENRY,
PROF. HENRY C. CHAPMAN, <i>Corresponding Secretary,</i>	JAMES B. LEONARD,
HENRY T. COATES, <i>Treasurer,</i>	ARTHUR ERWIN BROWN, <i>Recording Secretary.</i>
FRANCIS W. LEWIS, M. D.,	THOMAS BIDDLE, M. D.,
	T. DEWITT CUYLER,
	OWEN WISTER.

ACTUARY.

CHARLES L. JEFFERSON.

ASSISTANT SUPERINTENDENT.

ROBERT D. CARSON.

JUN 9 1900

REPORT OF THE BOARD OF DIRECTORS.

PHILADELPHIA, April 26th, 1900.

The Board of Directors of the Zoological Society of Philadelphia present to the members and loanholders their twenty-eighth annual report of the operations of the Society for the year ending on the 28th of February, 1900.

GENERAL AFFAIRS AND FINANCES.

The number of members on the 1st of March, 1900, was—

Annual members	297
Life members	1,328
Corresponding members	9
Honorary members	21
Perpetual members	261

Total members (exclusive of loanholders) . . . 1,916

The following is a report in detail of the admissions and receipts for the year:—

Adults (paying at gates)	131,928
Children (paying at gates)	38,057
Members (including Life and Annual Members, loanholders' annual, and complimentary annual tickets)	2,159
Loanholders' single tickets	13,559
Free admissions (charitable institutions, donors' tickets, &c.)*	3,605
Members of the Grand Army of the Republic, by special invitation	5,364
Coupon tickets	400
Excursion tickets	7,442
	<hr/> 202,514 <hr/>

* In addition to these, 125,000 tickets were issued to the Board of Education, for the admission of pupils of the Public Schools.

Monthly Record of Visitors for 1899-1900, with corresponding account for 1898-99.

MONTH.	1898-99.	1899-1900.	COMPARISON.
March	7,068	5,291	Decrease . . 1,777
April	11,565	17,352	Increase . . 5,787
May	17,956	25,747	" . . 7,791
June	14,179	15,999	" . . 1,820
July	17,077	21,930	" . . 4,853
August	25,934	25,992	" . . 58
September	19,628	42,276	" . . 22,648
October	19,254	17,170	Decrease . . 2,084
November	6,846	13,785	Increase . . 6,939
December	5,287	7,613	" . . 2,326
January	4,630	4,295	Decrease . . 335
February	3,592	5,064	Increase . . 1,472
	153,016	202,514	Increase . . 49,498

Average daily admissions 555
 The greatest number of visitors on any one day was
 on Wednesday, September 6th 5,320

Monthly Record of Receipts from Admissions for 1899-1900, with corresponding account for 1898-99.

MONTH.	1898-99.	1899-1900.	COMPARISON.
March	\$1,118 09	\$993 96	Decrease . . \$124 13
April	1,618 14	2,545 61	Increase . . 927 47
May	2,175 90	3,440 11	" . . 1,264 21
June	1,881 93	2,116 23	" . . 234 30
July	2,284 71	2,887 64	" . . 602 93
August	3,309 08	3,435 80	" . . 126 72
September,	2,506 31	5,368 69	" . . 2,862 38
October	2,764 37	2,613 97	Decrease . . 150 40
November,	1,020 44	1,927 78	Increase . . 907 34
December	729 99	1,083 13	" . . 353 14
January	797 09	760 84	Decrease . . 36 25
February	464 02	708 40	Increase . . 244 38
	\$20,670 07	\$27,882 16	Increase . . \$7,212 09

Average daily receipts from admissions \$76 39
 The largest amount of receipts at the gates on any
 one day was on Wednesday, September 6th . . . 613 95

Total Receipts on the several days of the week, and their respective averages for 1899-1900.

RANK.	DAYS.	TOTAL RECEIPTS.	AVERAGE.
1	Sunday	\$10,113 65	\$194 49
2	Saturday	6,287 20	120 91
3	Tuesday	2,484 68	47 78
4	Thursday	2,396 84	46 09
5	Wednesday	2,331 81	44 00
6	Monday	2,182 24	41 97
7	Friday	2,085 74	40 11
		\$27,882 16	

It is to be noted that there has been a satisfactory gain in the receipts from admissions, which, as shown by the monthly record, has been distributed with some evenness throughout the year; the exceptionally large increase, amounting to \$2862.38 in the month of September, having been in part owing to the large number of strangers drawn to the city during the week of the Encampment of the Grand Army of the Republic.

The Board refers with sorrow to the death, on April 3d, of Dr. William Camac, who was, in a sense more than ordinarily exact, the founder of this Society.

It is now nearly forty-five years since a study of the Zoological Gardens existing in Europe suggested to Dr. Camac, then, as always, deeply interested in the natural sciences, the thought of establishing one of like kind in his native city. The earliest result of his efforts in this direction was the granting of the Society's charter in 1859, and in the organization then effected he became its first President. For various reasons the realization of his desires

was delayed for thirteen years, after which time the project was revived, and at the first meeting for reorganization, held March 14th, 1872, Dr. Camac was re-elected President, and continued to hold that office until April 1878, at which time, feeling that the preliminary work had been done and that the Gardens were then firmly established, he resigned, remaining as a Director until the following year.

As acknowledgment which the Society owes to the originality of his plans, and to the faithful labor with which he forwarded their execution, and as a tribute to the affectionate regard in which he was held by his colleagues, the Directors place upon the records of the Society these few words of remembrance.

THE GARDENS.

At the close of the year the collection was composed of 386 mammals, 506 birds, 224 reptiles, and 18 batrachians; a total of 1134 living specimens.

The accessions were as follows:—

MAMMALS:—

Purchased	84
Presented	78
Born in the Gardens	88
	— 250

BIRDS:—

Purchased	191
Presented	62
Born in the Gardens	13
	— 266

REPTILES AND BATRACHIANS:—

Purchased	271
Presented	106
Born in the Gardens	17
	— 394
	— 910
	==

Of these the following may be mentioned as worthy of special notice:—

A pair of grand eclectus (*Eclectus roratus*), a splendid parrot from the Moluccas, purchased on March 10th.

On March 28th Miss Phœbe Hart Smith presented a specimen of one of the ground squirrels of the Pacific coast (*Tamias hindsi*), a species never before in the collection.

A mealy redpoll linnet (*Acanthis linaria*), also new, was received on April 3d, and on the same day two Forsten's lorikeets (*Trichoglossus forsteni*) were purchased. This beautiful parrakeet is a native of the island of Sumbawa, lying just east of Java, and is of great rarity in collections.

A fine adult male prong-horned antelope was presented on the 20th by Mr. H. W. Sharpless, of Philadelphia.

On the 22d a number of animals were purchased from a dealer, among them being a cassowary (*Casuarus casuarus*), a male nylghaie antelope (*Boselaphus tragocamelus*), a Central American agouti (*Dasyprocta isthmica*), two chukar partridges (*Caccabis chukar*), and two wonga-wonga pigeons (*Leucosarcia picata*).

On April 24th a Salvin's amazon (*Chrysotis salvini*) was added to the fine series of parrots. The species has been but recently described and appears to range from Nicaragua to Colombia.

A specimen of the ariel toucan (*Rhamphastos ariel*) was purchased on the 24th, and on the following day two bare-eyed cockatoos (*Cacatua gymnopsis*), from Australia, were received.

A spitting gecko (*Spñærodactylus sputator*), from Kingston, Jamaica, new to the collection, was presented on the 29th by Mr. J. L. Buck.

A number of snakes were received from southern Texas, on May 2d, among them being specimens of the fine king snake (*Ophibolus getulus splendidus*) of that region, and several Holbrook's water snakes (*Tropidonotus rhombifer*).

An example of one of the least common of the South American cebus monkeys (*Cebus albifrons*) was procured on the 10th, and later in the month a night-monkey (*Nyctipithecus trivirgatus*), two black-bellied weaver birds (*Pyromelana afra*), and a Sallé's amazon (*Chrysotis ventralis*), from San Domingo, were received.

On June 3d interesting additions to the collection were received from Yuma, Arizona, consisting of three wood rats (*Neotoma intermedia*) and nine desert mice (*Peromyscus eremicus*). Both of these species seem to endure captivity well, and the mice have bred repeatedly since their arrival. These animals were a gift from Mr. Herbert Brown, of Yuma, through whose interest we received later on, six more specimens of the wood rat, two Arizona sage hares (*Lepus arizonæ*), one of the smallest of the genus, and two raccoons from the same locality, which, while of rather large size, do not appear to present external characters differing from eastern specimens. A fine rattlesnake (*Crotalus adamanteus atrox*) was also received from Mr. Brown.

On June 6th another Amazon parrot of much rarity (*Chrysotis inornata*) was presented by Mr. E. B. Folger, of Philadelphia.

On the same day a pair each of Indian chevrotain (*Tragulus meminna*) and Stanley's chevrotain (*T. stanleyanus*) were purchased. The last species is the most brightly colored of the muis-deer and is a native of Ceylon.

On the 8th a considerable variety of animals was selected from a large shipment arriving at New York from Singapore. Of chief interest among these was a lion-tailed monkey (*Macacus silenus*), from the Malabar coast of India, rarely shown in collections; a caracal (*Felis caracal*); two young sloth bears (*Melursus ursinus*); a pair of young sambur deer, which are probably the Malayan form (*Cervus equinus*), which has not been represented in the Garden for many years, and a smaller hill mynah (*Mainatus religiosus*).

On the 11th a pair of young lions were received from Mr. Carl Hagenbeck in exchange, and at the same time a female Persian wild ass (*Equus hemionus onager*) to replace the one which died, of the pair purchased in 1898.

A specimen of the banded parrakeet (*Palæornis fasciatus*) of India was received for the first time on June 21st.

Four spiny comb-lizards (*Ctenosaura acanthura*), from Mexico, were purchased on the 21st, and on the following

day two snake-eating cobras (*Naia bungara*) were added to the collection in the Reptile House. The largest of these snakes measures some twelve feet in length and is double the size of those previously exhibited in the Gardens. These fine snakes have proved to be of much interest to the public, the more so as but two days after their arrival, some reptiles were received from Carl Hagenbeck, of Hamburg, among which were two examples of the cobra of India (*Naia naia*). The range of the larger species is very extensive, covering the whole region from India to the Philippine Islands. Two specimens of eryx (*Eryx johni*), a small member of the *Boidæ*; from India, somewhat modified by burrowing habits, were received at the same time, and accompanying them, as a gift from Mr. Hagenbeck, were examples of a species of water snake (*Tropidonotus piscator*) and the Cerberus snake (*Cerberus rhynchops*), both being found in southern Asia.

Some rare monkeys arrived at the same time, among them the white-collared mangabey (*Cercocebus collaris*), the hocheur monkey (*C. nyctitans*) and the moustache monkey (*C. cephus*), all being African species.

Four wood ibis (*Tantalus loculator*) arrived from Florida on the 1st of July, and a male California hair seal (*Zalophus californianus*) was purchased on the 8th. An ocellated lizard (*Lacerta ocellata*) from southern Europe; a Muller's parrakeet (*Tanygnathus mulleri*) from Celebes, and another parrakeet belonging to the same genus, which appears to be *T. megalorhynchus*, arrived later in the month.

Two gray ichneumons (*Herpestes mungo*) from India, were presented on August 27th by Mr. Paul Farnum and were placed in the Small Mammal House next to two other examples from Jamaica, into which island the species was introduced some years ago.

Two slow loris (*Nycticebus tardigradus*) were purchased in September and also a Hoffman's sloth (*Cholopus hoffmani*) from Panama.

A water thrush (*Siurus nævius*), captured in the Gardens, was new to the collection, as also was an Amazon parrot

(*Chryotis pretrei*) from southern Brazil, purchased October 21st.

Two young male deer belonging to the genus *Mazama*, purchased from a dealer in New York, are of interest in view of the scanty knowledge which is had of the small deer from the Rio Grande and southward. One of these is believed to have come from Arizona and the other from Central America, but in the absence of mature characters it is not even possible to guess at their identity.

A fine pair of cereopsis geese (*Cereopsis novæ-hollandiæ*) were received in exchange on October 27th.

On November 3d a pair of mouflon (*Ovis musimon*) were received. This sheep, a native of Corsica and Sardinia, is rapidly becoming scarce, and the Society has not found it easy of late years to secure them. About the same date, two ultramarine finches (*Hypochera ultramarina*), from Abyssinia, a kestrel (*Falco tinnunculus*) and a wood owl (*Syrnium aluco*), both European, were purchased.

Additions of interest to the Reptile House in November were a yellow-tailed rat snake (*Spilotes corais xanthurus*) from Argentina; three South American rattlesnakes (*Crotalus durissus*) from Brazil; four fer de lance (*Lachesis lanceolatus*); and a slender snake (*Stilosoma extenuata*) from Marion Co., Florida.

On the 25th a pair of Swinhoe's pheasants (*Gennæus swinhoii*) were purchased, and on the 30th some valuable monkeys, among them being two young examples of *Cercopithecus erythrogaster*; a gray-cheeked mangabey (*Cercocebus albigena*) both from West Africa and far from common in collections. At the same time a male Japanese macaque (*Macacus fuscatus*) was purchased as a mate for the female presented by Dr. Furness in December, 1896.

A male and two female robust kangaroos (*Macropus robustus*) were purchased on December 2d. This fine species has not previously been shown in our collection; they were accompanied by a pair of brush-tailed rock kangaroos (*Petrogale pencillata*), which were a welcome arrival, as the old stock of these animals, which were for many years

maintained in the Gardens, had become completely exhausted.

A pair of young condor vultures (*Sarcorhamphus gryphus*) were received on the same day.

Fifteen young boa constrictors, bred in the National Zoological Park, Washington, were received as a gift from the Secretary of the Smithsonian Institution.

On the 8th of December six specimens of the jerboa (*Dipus jaculus*), found in northeastern Africa, were purchased. These rodents are nearly related to the American jumping mice, and none of them have previously been shown in our collection. Another curious little rodent, the pocket gopher (*Geomys bursarius*), from the western United States, was presented on December 12th by the firemen of Engine Company No. 41, of Philadelphia.

Three chapparal cocks (*Geococcyx mexicanus*) were received from Texas on the 21st, and on the same day two specimens of the West Indian boa (*Boa divinitoqua*) from Trinidad.

An exchange of reptiles with Dr. Howard Kelly, of Baltimore, added to the large collection of serpents a Say's rattlesnake (*Crotalus confluentus*).

On February 10th two pale-headed tree boas (*Epicrates angulifer*) and two barn owls from Cuba were presented by Dr. Thomas Biddle and Mr. Paul Farnum.

A fine lioness, with two cubs about ten weeks old, were procured by exchange on February 21st.

The following animals were bred:—

- 2 vervet monkeys (*Cercopithecus pygerythrus*); born 12th March and 27th October.
- 1 green monkey (*C. callitrichus*); born 7th February.
- 2 moor macaques (*Macacus maurus*); born 8th April and 6th February.
- 1 common macaque (*M. cynomolgus*); born 23d January.
- 1 hybrid monkey (between *Macacus leoninus*[♂] and *M. nemestrinus*[♀]); born 26th January.
- 2 pumas (*Felis concolor*); born 23d September.

- 10 gray wolves (*Canis lupus mexicanus*); born 2d and 9th April.
- 9 prairie wolves (*C. latrans*); born 18th April and 4th May.
- 2 gray foxes (*C. cinereo-argentatus*); born 28th April.
- 2 banded ichneumons (*Crossarchus fasciatus*); born 26th April.
- 2 kinkajous (*Cercoleptes candivolulus*); born 25th July and 20th December.
- 9 hog deer (*Cervus porcinus*).
- 3 Virginia deer (*Mazama virginiana*); born 7th and 25th April and 18th June.
- 1 fallow deer (*Cervus dama*); born 3d June.
- 1 axis deer (*C. axis*); born 15th October.
- 1 wapiti (*C. canadensis*); born 28th August.
- 1 red deer (*C. elaphus*); born 7th July.
- 5 American bison (*Bison bison*); born 12th, 13th, 17th, and 31st May.
- 3 nylghaie (*Boselaphus tragocamelus*); born 29th December and 9th February.
- 1 Indian antelope (*Antilope cervicapra*); born 27th April.
- 24 desert mice (*Peromyscus eremicus*); born in August, November, December, and February.
- 5 prairie dogs (*Cynomys ludovicianus*); born in May.
- 1 red kangaroo (*Macropus rufus*); born 24th May.
- 3 jungle fowl (*Gallus gallus*); born 22d June.
- 2 ring-necked pheasants (*Phasianus torquatus*); born 28th June.
- 1 silver pheasant (*Gennæus nycthemerus*); born 28th June.
- 11 common water snakes (*Tropidonotus sipedon*); born 5th September.
- 6 cerberus snakes (*Cerberus rhynchops*); born 23d July.

The principal deaths were a female sing-sing antelope, which was killed by the male; a young active gibbon, which had lived two years in the collection; the female orang "Boulan," which was presented by Dr. Furness on December 4th, 1896, and died January 15th, 1900; a female South American tapir, which had lived for twenty years in

the Gardens; the leopard "Bob," who died of old age on December 18th; a male bison, born May 16th, 1885; and a male cinnamon bear from Utah, which died January 28th, 1900. This bear came into the Society's possession on January 7th, 1874, and had lived in the Gardens more than twenty-six years. A female grizzly, which came in company with it, is still living.

The restaurant, which was destroyed by fire in October, 1898, has been rebuilt, and was opened to public service in June. The greater part of the old walls was made use of in the new building, but the interior plan was entirely remodeled and the comfort and convenience of visitors to the Gardens have been greatly promoted by the change.

The Society's collection of birds has long since outgrown the Aviary, and an extension of that building has become a necessity.

As the present time seems favorable, plans have been prepared, and during the coming summer a building will be added at the north end of the present structure, to accommodate the collection of parrots.

PRESERVATION OF GAME.

The increasing difficulty of procuring specimens of some of the more important animals belonging to North America, should direct the attention of the Society to one of its most proper functions—that of encouraging and promoting the preservation of game.

It would appear probable that among the large tracts of land which are being acquired by the State of Pennsylvania as a "Forest Reserve," there should be some which will offer opportunity whereby some of our native animals which are still resident, but in decreasing numbers, such as the common deer, the wild turkey, and the ruffed grouse, may be indefinitely preserved, and perhaps others, such as the elk, be re-established. This noble animal was formerly abundant in mountainous regions, and it is not yet fifty years since the killing of the last one known within

the State. It is certain that with suitable forest tracts of sufficient extent, and with adequate protection, this species could, at small cost, be again established as a resident.

The buffalo is not mentioned in this connection, although up to the close of the last century it was still found about the Allegheny River, for the reason that it is now probably too late to do more than retard its extinction for a few generations. Experience which has been had with the European bison gives ground for the belief that enough of these animals do not now remain to avert that potent cause of degeneration—inbreeding. Although, if a general and determined effort to preserve the species were to be made, the most hopeful results would be reached by establishing a number of herds in widely-separated localities in the United States, where exposure to different conditions of soil, food, and climate, influencing in some degree the development of the animals subjected to them, would produce strains slightly unlike in constitution. Much benefit might be expected from the exchange of breeding animals from these separated localities.

The Board desires to urge upon the members of the Society the importance of exerting, upon all occasions and without delay, their efforts to secure the accomplishment of this great object, the opportunity for which will be forever gone within a time surprisingly short, if the existing neglect be continued.

The thanks of the Board are extended to those who have remembered the Society with gifts during the year.

By order of the Board,

ARTHUR ERWIN BROWN,

Secretary.

INCOME AND EXPENDITURES.

For fiscal year ending March 1st, 1900.

INCOME.

Members' fees and dues	\$560 00	
Admission receipts	27,882 16	
Donations	325 00	
Rents at Garden	250 00	
Interest, discount, &c.	977 75	
Sundry receipts	1,099 51	
Sale of guide books	125 35	
Sales of animals	260 00	
Received from the city of Philadelphia through the Commissioners of Fairmount Park	17,500 00	
		<u>\$48,979 77</u>

EXPENDITURES.

(Exclusive of Permanent Improvements, &c.)

Salaries and wages	\$19,064 90	
Office expenses	368 43	
General expenses	20,140 51	
Purchase of animals	4,285 51	
	<u>\$43,859 35</u>	
Balance to credit of profit and loss	5,120 42	
		<u>\$48,979 77</u>

CAPITAL.

Receipts and expenditures for the year ending March 1st, 1900.

RECEIPTS.

Insurance on restaurant	\$6,000 00	
Temporary loan	1,500 00	
Legacy, estate of Geo. S. Pepper, deceased . . .	450 00	
Legacy, estate of Catharine Maurer, deceased .	300 00	
Life memberships	150 00	
Received from the city of Philadelphia through the Commissioners of Fairmount Park	2,500 00	
		<u>\$10,900 00</u>

EXPENDITURES.

Restaurant	\$7,947 40	
New Small Mammal House (balance), . . .	3,304 30	
Vulcanite walks	334 50	
	<u>\$11,586 20</u>	
Balance (being excess of investments over re- ceipts of capital and provided from profit and loss)	686 20	
		<u>\$10,900 00</u>

HENRY T. COATES,

Examined and found correct.

Treasurer.

W. H. MERRICK,
SAMUEL G. DIXON,
Auditors.

LIST OF ADDITIONS TO THE MENAGERIE DURING THE YEAR
ENDING FEBRUARY 28TH, 1900.

1899.

- Mar. 2. 1 hog deer (*Cervus porcinus*) born in the Gardens ♂, 1 diamond rattlesnake (*Crotalus adamanteus*) presented by Dr. H. M. Hiller, Philadelphia.
- " 4. 1 screech owl (*Scops asio*) presented by Master Harry Bounds, Philadelphia.
- " 10. 2 grand eclectus (*Eclectus roratus*), 4 bullfinches (*Pyrrhula pyrrhula*), 4 mountain linnets (*Acanthis flavivestris*), 4 chaffinches (*Fringilla cœlebs*), 4 goldfinches (*Carduelis carduelis*), 4 siskin finches (*Chrysomitris spinus*), 1 greenfinch (*Chloris chloris*) purchased.
- " 11. 2 saffron finches (*Sycalis flaveola*), 1 greenfinch (*Chloris chloris*), 2 red-headed weaver birds (*Foudia madagascariensis*), and 2 gray-headed love birds (*Agapornis cana*) purchased.
- " 12. 1 vervet monkey (*Cercopithecus pygerythrus*) ♂ born in the Gardens.
- " 13. 1 white-throated capucin (*Cebus hypoleucus*) ♂ presented by Robert S. McCracken, Camden, N. J.
- " 21. 1 raccoon (*Procyon lotor*) presented by Edward B. Wall, Philadelphia.
- " 25. 4 undulated grass parakeets (*Melopsittacus undulatus*) purchased.
- " 28. 1 redwood chipmunk (*Tamias hindsi*) presented by Miss Phœbe Hart Smith, Philadelphia.
- " 29. 1 golden eagle (*Aquila chrysaetus*), 1 ground rattlesnake (*Sistrurus miliarius*), 1 black snake (*Zamenis constrictor*), 1 king snake (*Ophibolus getulus getulus*), 1 pine snake (*Pityophis melanoleucus*), 1 scarlet snake (*Cemophora coccinea*), and 2 whip snakes (*Zamenis flagelliformis*) purchased.
- April 2. 5 gray wolves (*Canis lupus mexicanus*) 2 ♂ and 3 ♀ born in the Gardens.
- " 3. 1 mealy redpoll linnet (*Acanthis linaria*), 4 rosy parakeets (*Palæornis rosa*), 2 Forsten's lorikeets (*Trichoglossus forsteni*) purchased.
- " 4. 1 alligator (*Alligator mississippiensis*) presented by Joseph Folk, Philadelphia. 1 red-tailed buzzard (*Buteo borealis*) presented by Master Joseph Smedley, Philadelphia.
- " 5. 1 rhesus monkey (*Macacus rhesus*) ♂ presented by Mrs. Ethel Coons, Philadelphia. 3 southern fox squirrels (*Sciurus niger niger*) purchased.
- " 8. 1 Moor monkey (*Macacus maurus*) ♂ born in the Gardens.
- " 9. 5 gray wolves (*Canis lupus mexicanus*) 3 ♂ and 2 ♀ born in the Gardens. 1 common rabbit presented by Miss Ada Myers, Philadelphia. 1 Guinea pig presented by Master Walter Myers, Philadelphia.
- " 10. 1 orange-winged amazon (*Chrysotis amazonica*), 12 European tree frogs (*Hyla arborea*) purchased.
- " 11. 1 spotted cavy (*Cælogenys paca*) ♀, 9 slimy salamanders (*Plethodon glutinosus*) purchased.

- April 15. 2 passerine parrakeets (*Psittacula passerina*), 2 crimson-eared waxbills (*Estrilda phænicotis*), 2 banded grass finches (*Pœphila cincta*) purchased. 1 common rabbit presented by Mrs. McCann, Philadelphia.
- " 17. 1 badger (*Taxidea taxus*) ♂, 1 king parrakeet (*Aprosmictus cyanopygius*) purchased.
- " 18. 2 Indian fruit bats (*Pteropus medius*) ♂ and ♀ purchased. 1 Cooper's hawk (*Accipiter cooperi*) presented by Dr. Joseph Martin, Philadelphia. 5 prairie wolves (*Canis latrans*) born in the Gardens. 1 great-horned owl (*Bubo virginianus*) presented by Thomas Cox, Philadelphia.
- " 19. 2 European widgeons (*Mareca penelope*), 1 common European teal (*Querquedula crecca*) purchased.
- " 20. 2 DeKay's snakes (*Storeria dekayi*) presented by Winfield Bale, Philadelphia. 1 raccoon (*Procyon lotor*) presented by S. Myers, Philadelphia. 1 prong-horned antelope (*Antilocapra americana*) ♂ presented by Henry W. Sharpless, Philadelphia.
- " 21. 1 alligator (*Alligator mississippiensis*) presented by Harry Mitchell, Philadelphia. 1 European widgeon (*Mareca penelope*) purchased. 1 raccoon (*Procyon lotor*) presented by P. Leavey, Philadelphia. 2 rabbits presented by Miss Florence Hewitt, Philadelphia.
- " 22. 4 box tortoises (*Terrapene carolina*) presented by Master Charles Ralph, Philadelphia. 1 nyghaie (*Boselaphus tragocamelus*) ♂, 1 golden agouti (*Dasyprocta aguti*), 1 Central American agouti (*Dasyprocta isthmica*), 1 common cassowary (*Casuarus casuarus*) ♂, 2 sand-hill cranes (*Grus mexicanus*), 2 chukar partridges (*Caccabis saxatilis chukar*), 2 lesser sulphur-crested cockatoos (*Cacatua sulphurea*), 2 globose curassows (*Croco globicera*), 3 ring-necked pheasants (*Phasianus torquatus*) purchased.
- " 23. 2 passerine parrakeets (*Psittacula passerina*), 2 wonga-wonga pigeons (*Leucosarcia picata*), 1 California quail (*Lophortyx californicus*) purchased.
- " 24. 1 Salvin's amazon (*Chrysotis salvini*) purchased. 1 common deer (*Mazama virginianus*) ♂ presented by William L. Elkins, Philadelphia.
- " 25. 1 fence lizard (*Eumeces quinelincatus*) presented. 1 black-handed spider monkey (*Sapajou geoffroyi*), 1 ariel toucan (*Rhamphastos ariel*), 2 Barraband's parrakeets (*Polytelis barrabandi*) purchased.
- " 26. 2 Java sparrows (*Munia oryzivora*) purchased. 4 banded ichneumons (*Crossarchus fasciatus*) born in the Gardens. 1 gray squirrel (*Sciurus carolinensis pennsylvanicus*) presented by Mrs. E. Hand, Philadelphia.
- " 27. 1 Indian antelope (*Antelope cervicapra*) ♀ born in the Gardens.
- " 28. 1 alligator (*Alligator mississippiensis*) presented by Walter Harris, Jr., Camden, N. J. 2 bare-eyed cockatoos (*Cacatua gymnopsis*), 3 harlequin snakes (*Elops fulvius*), 2 green snakes (*Cyclophis æstivus*) purchased.
- " 29. 2 gray foxes (*Canis cinereo argentatus*) born in the Gardens. 1 black snake (*Zamenis constrictor*), 2 garter snakes (*Eutænia*

- sirtalis sirtalis*), 1 water snake (*Tropidonotus fasciatus sipedon*) presented by F. W. Walmsley, Bridgeton, N. J. 1 common rabbit presented by Master George Wieners, Philadelphia. 1 gray squirrel (*Sciurus carolinensis pennsylvanicus*) presented by Master Purnell Clark, Philadelphia. 1 spitting gecko (*Sphaerodactylus sputator*) presented by J. L. Buck, Philadelphia.
- April 30. 1 black snake (*Zamenis constrictor*) presented by Walter Weiss, Philadelphia.
- May 2. 3 star-nosed moles (*Condylura cristata*) presented by Harry Koons, Philadelphia.
- " 3. 1 golden eagle (*Aquila chrysaetos*) presented by O. F. Zurn, Lansdale, Pa. 2 black swans (*Cygnus atratus*), 4 barred doves (*Geopelia striata*), 2 red-headed weavers (*Foudia madagascariensis*), 3 common waxbills (*Estrilda cinerea*), 3 Arizona diamond rattlesnakes (*C. adamanteus atrox*), 3 Texas king snakes (*O. getulus splendidus*), 3 western pine snakes (*Pityophis sayi*), 3 Holbrook's water snakes (*Tropidonotus rhombifer*), 3 whip snakes (*Zamenis flagelliformis*) purchased.
- " 4. 1 weeper capucin (*Cebus capucinus*) ♂ presented by T. H. Gallagher, Philadelphia. 1 alligator (*A. mississippiensis*) presented by Chester Ames Large, Philadelphia. 1 barn owl (*S. flammea pratincta*) presented by Mrs. James K. Rowland, Lewes, Del. 4 prairie wolves (*Canis latrans*) born in the Gardens.
- " 5. 3 harlequin snakes (*Elaps fulvius*) purchased.
- " 6. 1 alligator (*A. mississippiensis*) presented by Mrs. J. Sculley, Philadelphia. 1 gopher tortoise (*Testudo polyphemus*), presented by E. Geissler, Philadelphia.
- " 7. 1 Virginia deer (*Mazama virginianus*) born in the Gardens.
- " 9. 1 corn snake (*Coluber guttatus*), 7 pine snakes (*Pityophis melanoleucus*), 2 hog-nosed snakes (*Heterodon platyrhinos*), 1 fence lizard (*Eumeces quinquilineatus*), 5 marbled salamanders (*Amblystoma opacum*) purchased.
- " 12. 4 indigo buntings (*Passerina cyanea*), 4 nonpareil buntings (*Passerina ciris*), 1 harlequin snake (*Elaps fulvius*), 1 diamond rattlesnake (*Crotalus adamanteus*), 1 Cyclops water snake (*Tropidonotus cyclopeum*) purchased, 1 American bison (*Bison bison*) ♂ born in the Gardens.
- " 13. 2 American bison (*Bison bison*) ♀♀ born in the Gardens. 1 common water snake (*T. fasciatus sipedon*) presented by George Cugley, Philadelphia. 1 alligator (*A. mississippiensis*) presented by Benjamin M. Tibben, Philadelphia. 1 Canary finch (*Serinus serinus*) presented by Henry Darrach, Philadelphia.
- " 14. 1 barred owl (*Syrnium nebulosum*) presented by John A. Klein, Philadelphia. 1 common water snake (*T. fasciatus sipedon*), 3 garter snakes (*E. sirtalis sirtalis*) presented by Harry Kelly, Philadelphia.
16. 1 night heron (*N. nycticorax naevius*) presented by F. H. Lincoln, Philadelphia. 1 bonnet monkey (*Macacus sinicus*) ♂, 1 three-banded douroucoulis (*Nyctipithecus trivirgatus*), 2 spotted-sided finches (*Amadina guttata*), 1 yellow-bellied songster (*Leiothrix lutens*), 4 European green lizards (*Lacerta viridis*) purchased.

- May 17. 3 black snakes (*Zamenis constrictor*), 8 water snakes (*T. fasciatus sipedon*), 1 garter snake (*E. sirtalis sirtalis*), 1 Allen's snake (*Helicops allenii*) purchased. 1 American bison (*Bison bison*) ♀ born in the Gardens.
- " 18. 4 yellow-throated Parrakeets (*Brotogerys jugularis*), 2 bluebirds (*Sialia sialis*), 2 black-bellied weavers (*Pyromelana afra*), 1 ring-necked parakeet (*Palæornis torquatus*) purchased. 3 opossums (*Didelphys marsupialis*) presented by John Cugley, Jr., Philadelphia.
- " 20. 1 box tortoise (*Testapene carolina*) presented by Miss Ada Mayer, Philadelphia. 1 opossum (*Didelphys marsupialis*) presented by Master James Haines, Philadelphia. 1 hog deer (*Cervus porcinus*) ♀ born in the Gardens.
- " 22. 1 red fox (*C. vulpes pennsylvanicus*) presented by Miss Ruth Everett, Philadelphia.
- " 23. 1 copperhead snake (*Ancistrodon contortrix*), 2 banded rattlesnakes (*Crotalus horridus*) presented by Dr. Joseph McFarland, Philadelphia.
- " 25. 1 Virginia deer (*Mazama virginianus*) ♀, 5 prairie dogs (*Cynomys ludovicianus*) born in the Gardens.
- " 27. 1 hog deer (*Cervus porcinus*) ♂ born in the Gardens. 3 indigo buntings (*Passerina cyanea*) purchased.
- " 29. 1 Salle's amazon (*Chrysotis ventralis*) purchased.
- " 30. 1 alligator (*A. mississippiensis*) presented by Eugene Strauss, Philadelphia.
- " 31. 3 banded rattlesnakes (*Crotalus horridus*), 1 milk snake (*O. dolia-
tus triangulus*), 1 hog-nosed snake (*Heterodon platyrhinos*) presented by Dr. Joseph McFarland, Philadelphia. 1 American bison (*Bison bison*) ♂ born in the Gardens.
- June 2. 1 gray squirrel (*S. carolinensis pennsylvanicus*) presented by Louis Eysenbach, Jr., Philadelphia.
- " 3. 1 hog deer (*Cervus porcinus*) ♀, 1 fallow deer (*Cervus dama*) ♂ born in the Gardens. 3 wood rats (*Neotoma intermedia*), 9 desert mice (*Peromyscus eremicus*) presented by Herbert Brown, Yuma, Arizona.
- " 6. 1 unadorned amazon (*Chrysotis inornata*) presented by E. B. Folger, Philadelphia, 2 Indian chevrotains (*Tragulus meminna*), 2 Stanley's chevrotains (*Tragulus stanleyanus*) purchased.
- " 8. 1 raccoon (*Procyon lotor*) presented by Dr. Norton Downs, Germantown, Philadelphia. 1 lion-tailed monkey (*Macacus silenus*) ♀, 1 entellus monkey (*Semnopithecus entellus*) ♂, 2 gray ichneumons (*Herpestes mungo*), 1 caracal (*Felis caracal*) ♀, 2 sloth bears (*Melursus ursinus*) ♂ and ♀, 2 Malayan samburs (*Cervus equinus*) ♂ and ♀, 1 larger hill mynah (*Mainatus intermedius*), 1 smaller hill mynah (*Mainatus religiosus*) purchased. 2 ruddy flamingoes (*Phaenicopterus ruber*) exchanged.
- " 9. 1 opossum and young (*Didelphys marsupialis*) presented by Thirty-eighth Ward Republican Club, Philadelphia.
- " 10. 1 hog deer (*Cervus porcinus*) ♂ born in the Gardens. 1 pine snake (*Pityophis melanoleucus*) presented by M. J. Hurley, Camden, N. J.

- June 11. 2 lions (*Felis leo*) ♂ and ♀, 1 Asiatic wild ass (*Equus hemionus*) ♀ exchanged.
- " 13. 1 banded rattlesnake (*Crotalus horridus*) purchased.
- " 15. 1 alligator (*A. mississippiensis*) presented by George McClain, Philadelphia.
- " 16. 1 sparrow hawk (*Falco sparverius*) presented by John Gosner, Philadelphia. 1 yellow-fronted amazon (*Chrysotis ochrocephala*) presented by Mrs. L. Kiener, Philadelphia. 1 hog-nosed snake (*Heterodon platyrhinos*) presented by Master E. E. Shields, Germantown, Philadelphia.
- " 17. 6 wood rats (*Neotoma intermedia*), 2 Arizona sage hares (*Lepus arizonæ*) presented by Herbert Brown, Yuma, Arizona.
- " 18. 1 Virginia deer (*Mazama virginianus*) ♀ born in the Gardens.
- " 21. 4 garter snakes (*E. sirtalis sirtalis*) presented by John Gosner, Philadelphia. 2 alligators (*A. mississippiensis*) presented by Philip O'Neill, Philadelphia. 1 banded parakeet (*Palæornis fasciata*) purchased.
- " 22. 3 jungle fowl (*Gallus bankiva*) born in the Gardens.
- " 24. 1 mink (*Putorius vison*), 1 amazon (*Chrysotis*) purchased.
- " 26. 1 hog-nosed snake (*Heterodon platyrhinos*) presented by Dr. Joseph McFarland, Philadelphia.
- " 27. 1 alligator (*A. mississippiensis*) presented by James Fleming, Philadelphia.
- " 28. 1 Levaillant's amazon (*Chrysotis levaillanti*) presented by Mrs. A. J. Wood, Philadelphia, 4 European quail (*Coturnix coturnix*), 4 spiny-comb lizards (*Ctenosaura acanthura*) purchased. 2 ring-necked pheasants (*Phasianus torquatus*), 1 silver pheasant (*Genæus nycthemerus*) born in the Gardens.
- " 29. 2 snake-eating cobras (*Naia bungara*) purchased.
- " 30. 1 alligator (*A. mississippiensis*) presented by Eugene Wyeth, Philadelphia.
- July 1. 2 gray squirrels (*S. carolinensis pennsylvanicus*) presented by H. M. Sill, Germantown, Philadelphia. 2 Indian cobras (*Naia tripudians*), 2 Indian eryx (*Eryx johnei*), 2 white-collared mangabeys (*Cercocebus collaris*), 1 hocheur monkey (*Cercopithecus nictitans*), 1 moustache monkey (*Cercopithecus cephus*) purchased. 2 Indian water snakes (*Tropidonotus piscator*), 4 cerberus snakes (*Cerberus rhynchops*) presented by Carl Hagenbeck, Hamburg, Germany.
- " 2. 4 wood ibises (*Tantalus loculator*) purchased.
- " 3. 2 St. Thomas conures (*Conurus pertinax*) purchased.
- " 5. 2 common iguanas (*Iguana tuberculata*) purchased. 1 painted terrapin (*Chrysemys picta*) presented by Walter Heyl, Philadelphia. 1 raccoon (*Procyon lotor*) presented by Herbert Brown, Yuma, Arizona.
- " 7. 1 red deer (*Cervus elaphus*) ♂ born in the Gardens. 2 rose-breasted grosbeaks (*Guiraca ludoviciana*), 1 scarlet tanager (*Pyrranga rubra*) purchased.
- " 8. 1 California sea lion (*Zalophus californianus*) purchased.
- " 9. 1 St. Thomas conure (*Conurus pertinax*) presented by Miss Marie Le Page Guilbert, Philadelphia. 1 white-nosed coati (*Nasua narica*) presented by A. J. Schultz, Philadelphia.

- July 10. 1 indigo snake (*Coluber corais couperi*), 2 whip snakes (*Zamenis flagelliformis*) presented by A. M. Nicholson, Orlando, Fla. 1 opossum and young (*Didelphys marsupialis*) presented by Master Clarence W. Fisher, Ambler, Pa. 1 mocking bird (*Mimus polyglottus*) presented by H. I. Vade, Philadelphia.
- " 12. 1 box tortoise (*Terrapene carolina*) presented by Master Walter L. Allison, Philadelphia.
- " 13. 1 raccoon (*Procyon lotor*) presented by S. P. Lippincott, Ogontz, Pa.
- " 14. 1 eyed lizard (*Lacerta ocellata*) purchased. 1 alligator (*A. mississippiensis*) presented by John Kauch, Philadelphia.
- " 15. 2 opossums (*Didelphys marsupialis*) presented by George F. Fisler, Philadelphia. 1 box tortoise (*Terrapene carolina*) presented by A. Prinzing, Philadelphia. 1 white-crowned pigeon (*Columba leucocephala*) purchased.
- " 18. 1 night heron (*N. nycticorax naevius*) presented by J. K. Moore, Norristown, Pa. 3 turtle doves (*Turtur turtur*) presented by Miss Louisa Hettel, Philadelphia. 1 black snake (*Zamenis constrictor*), 3 hog-nosed snakes (*Heterodon platyrhinos*), 3 garter snakes (*E. sirtalis sirtalis*), and 2 chameleon tree frogs (*Hyla versicolor*) presented by John W. Thompson, Philadelphia.
- " 20. 3 ring-necked pheasants (*Phasianus torquatus*) presented by George Wood, Wawa, Pa.
- " 22. 1 opossum (*Didelphys marsupialis*) presented by Charles E. Lloyd, Philadelphia.
- " 23. 6 cerberus snakes (*Cerberus rhynchops*) born in the Gardens.
- " 25. 1 kinkajou (*Cercoleptes caudivolvulus*) born in the Gardens. 2 barn owls (*S. flammea pratincta*) presented by Engine Company No. 38, Tacony, Philadelphia.
- " 28. 1 spotted terrapin (*Clemmys guttatus*) presented by Master Leon Olivet, Philadelphia.
- " 29. 1 victoria trinkeri presented by Craig R. Arnold, Sharon Hill, Pa.
- " 31. 1 sparrow hawk (*Falco sparverius*) presented by W. S. Newcomet, Philadelphia.
- Aug. 2. 2 screech owls (*Scops asio*) presented by William Campbell, Philadelphia.
- " 4. 1 pine snake (*Pityophis melanoleucus*) presented by E. A. Butler, Philadelphia.
- " 8. 4 Baltimore orioles (*Icterus baltimore*) purchased.
- " 10. 1 pine snake (*Pityophis melanoleucus*) presented by Master Harry Dobson, Philadelphia.
- " 11. 4 box tortoises (*Terrapene carolina*) presented by Masters Albert Weston and Lloyd Sagendorph, Philadelphia. 3 red-winged blackbirds (*Agelaius phoeniceus*) purchased.
- " 16. 2 common macaque monkeys (*Macacus cynomolgus*) presented by John J. Casey, Philadelphia. 2 green lizards (*Anolis principalis*) presented by Master John B. Carson, Philadelphia.
- " 17. 1 mud turtle (*Cinosternum pennsylvanicum*) presented by Master Curtis Essicks, Philadelphia.
- " 20. 3 garter snakes and 20 young (*E. sirtalis sirtalis*) presented by H. Seville.

- Aug. 22. 1 opossum and 2 young (*Didelphys marsupialis*) presented by John H. Trinder, Philadelphia.
- " 23. 8 garter snakes (*E. sirtalis sirtalis*) presented by Master William Milligan, Philadelphia. 3 desert mice (*Peromyscus eremicus*) born in the Gardens.
- " 24. 6 white rats presented by Charles W. Bolton, Germantown, Philadelphia. 1 great-billed parakeet (*Tanygnathus megalorhynchus*) purchased.
- " 25. 2 alligators (*A. mississippiensis*) presented by J. F. Beerbower, Philadelphia.
- " 27. 2 gray ichneumons (*Herpestes mungo*) presented by Paul Farnum, Philadelphia.
- " 30. 1 night heron (*N. nycticorax naevius*) presented by Frank Hartman, Philadelphia.
- Sept. 1. 2 slow loris (*Nycticebus tardigradus*) purchased. 1 weeper capucin (*Cebus capucinus*) presented by W. N. Wilbur, Devon, Pa.
- " 2. 2 young copperhead snakes (*Ancistrodon contortrix*) presented by Dr. Joseph McFarland, Philadelphia. 1 milk snake (*Ophibolus doliatus triangulus*), 1 water snake (*Tropidonotus fasciatus sipedon*) presented by the H. K. Mulford Company, Philadelphia. 1 gray parrot (*Psittacus erythacus*), 2 long-tailed conures (*Conurus euops*) purchased.
- " 4. 1 opossum (*Didelphys marsupialis*) presented by Master Edward Coughlin, Philadelphia. 1 black spider monkey (*Ateles ater*) presented by Dr. Charles R. Fulmer, Philadelphia.
- " 5. 11 water snakes (*T. fasciatus sipedon*) born in the Gardens. 2 rose-hill parakeets (*Platycercus eximius*) presented by Samuel S. White, Philadelphia.
- " 7. 2 alligators (*A. mississippiensis*) presented by Miss Sarah Kerr, Philadelphia.
- " 8. 1 orange-winged amazon (*Chrysotis amazonica*) presented by Mrs. William Thomas, Philadelphia.
- " 12. 1 milk snake (*O. doliatus triangulus*) presented by Master Chandler Morgan, Philadelphia.
- " 13. 1 brown thrush (*Harporhynchus rufus*) captured in the Gardens.
- " 15. 1 gray squirrel (*S. carolinensis pennsylvanicus*) presented by William H. Ellis, Philadelphia. 1 common macaque (*Macacus cynomolgus*) presented by T. Dawson Cooper, Media, Pa.
- " 16. 3 young copperhead snakes (*Ancistrodon contortrix*) presented by A. M. Munson, Philadelphia.
- " 23. 1 Müller's parakeet (*Tanygnathus mulleri*) purchased.
- " 24. 1 hog deer (*Cervus porcinus*) born in the Gardens.
- " 26. 1 Hoffman's sloth (*Cholopus hoffmani*) purchased. 1 copperhead snake (*Ancistrodon contortrix*) presented by Master H. A. Walters, Philadelphia.
- " 28. 2 diamond rattlesnakes (*Crotalus adamanteus*) purchased.
- " 29. 4 desert mice (*Peromyscus eremicus*) born in the Gardens.
- Oct. 1. 2 wave-lined lizards (*Sceloporus undulatus*) presented.
- " 2. 2 Arizona diamond rattlesnakes (*C. adamanteus atrox*) purchased.
- " 3. 1 prairie dog (*Cynomys ludovicianus*) presented by S. M. Vauclain, Philadelphia.

- Oct. 6. 1 Levaillant's amazon (*Chrysotis levaillanti*) presented.
 " 7. 4 passerine parakeets (*Psittacula passerina*) purchased.
 " 8. 1 alligator (*Alligator mississippiensis*), 1 painted terrapin (*Chrysemys picta*) presented by Harry Hovey, Philadelphia.
 " 9. 1 red-vented parrot (*Pionus menstruus*) purchased.
 " 10. 4 hog-nosed snakes (*Heterodon platyrhinos*) purchased. 1 Arizona diamond rattlesnake (*C. adamanteus atrox*) presented by Herbert Brown, Yuma, Arizona.
 " 11. 1 common marmoset (*Hapale jacchus*) presented by Mrs. A. A. Viall, Philadelphia.
 " 12. 14 young banded rattlesnakes (*Crotalus horridus*) presented by J. F. Foulke, Philadelphia.
 " 13. 1 alligator (*A. mississippiensis*) presented by J. S. Parke, Philadelphia.
 " 14. 1 Gila monster (*Heloderma suspectum*) purchased.
 " 15. 1 axis deer (*Cervus axis*) ♀ born in the Gardens.
 " 17. 1 alligator (*A. mississippiensis*) presented by Miss Marcella Carroll, Philadelphia.
 " 19. 1 golden pheasant (*Chrysolophus pictus*) presented by C. L. Borie, Jenkintown, Pa.
 " 21. 1 common deer (*Mazama virginianus*) ♂, 2 black swans (*Cygnus atratus*), 1 gray parrot (*Psittacus erythacus*), 1 Pretre's amazon (*Chrysotis pretrei*) purchased.
 " 24. 1 common deer (*M. virginianus*) ♂ purchased.
 " 25. 1 keeled green snake (*Cyclophis æstivus*) presented by F. W. Walmsley, Bridgeton, N. J.
 " 27. 2 Amherst's pheasants (*Chrysolophus amherstiae*), 2 Reeve's pheasants (*Phasianus reevesi*), 3 golden pheasants (*Chrysolophus pictus*), 2 crested pigeons (*Ocyphaps lophotes*) purchased, 2 cereopsis geese (*Cereopsis novæ-hollandiæ*) exchanged. 1 vervet monkey (*Cercopithecus pygerythrus*) born in the Gardens.
 " 28. 1 woodchuck (*Arctomys monax*) presented by Edward J. Gallagher, Philadelphia. 1 alligator (*A. mississippiensis*) presented by H. G. Ormsby, Philadelphia. 1 ocelot (*Felis pardalis*) purchased.
 " 29. 2 prong-horned antelopes (*Antilocapra americana*) purchased.
 " 31. 5 menobranchus (*Necturus lateralis*) purchased.
 Nov. 3. 2 mouflons (*Ovis musimon*) ♂ and ♀ purchased. 1 pine snake (*Ptyophis melanoleucus*) presented by M. Regans, Philadelphia.
 " 4. 1 sparrow hawk (*Falco sparverius*) presented by John Gosner, Philadelphia.
 " 5. 1 Carolina rail (*Porzana carolina*) presented by Dr. W. L. Zuill, Philadelphia.
 " 8. 1 blue-fronted amazon (*Chrysotis versicolor*) presented by Mrs. E. Roberts, Philadelphia.
 " 11. 1 alligator (*Alligator mississippiensis*) presented by Master Travis Coxe, Philadelphia.
 " 12. 1 painted terrapin (*Chrysemys picta*), 1 musk turtle (*Cinosternum odoratus*) presented by Master William Febiger, Philadelphia. 1 barred owl (*Syrnium nebulosum*) presented by George W. Lentz, Philadelphia.
 " 13. 1 Gambel's quail (*Lophortyx gambeli*), 4 cut-throat finches (*Amdina fasciata*), 4 red-beaked weavers (*Quelea quelea*) purchased.

- Nov. 14. 1 red-bellied terrapin (*Chrysemys rubriventris*) presented by Robert Hillborn, Philadelphia.
- " 17. 2 ultramarine weaver birds (*Hypochaera ultramarina*), 2 finches purchased. 1 cow bird (*Molothrus ater*) presented by Robert Hess, Philadelphia.
- " 18. 1 opossum (*Didelphys marsupialis*) presented by Abraham Royer, Philadelphia. 2 rosy parakeets (*Palæornis rosa*) presented by Master Richard St. Maur, Philadelphia.
- " 20. 3 desert mice (*Peromyscus eremicus*) born in the Gardens.
- " 22. 1 prairie wolf (*Canis latrans*) presented by Mitchell Harrison, Philadelphia.
- " 24. 2 ring-necked parakeets (*Palæornis torquatus*), 1 kestrel (*Falco tinnunculus*), 1 wood owl (*Syrnium aluco*), 4 boas (*Boa constrictor*), 1 yellow-tailed rat snake (*Coluber corais xanthurus*), 3 South American rattlesnakes (*Crotalus durissus*), 4 fer de lance (*Lachesis lanceolatus*) purchased.
- " 25. 2 Swinhoe's pheasants (*Gennæus swinhoii*) purchased.
- " 27. 1 water moccasin (*Ancistrodon piscivorus*) purchased.
- " 28. 2 slender snakes (*Stilosoma extenuata*) purchased.
- " 29. 2 alligators (*Alligator mississippiensis*) presented by Master William Walter, Philadelphia.
- " 30. 1 Japanese monkey (*Macacus fuscatus*)♂, 1 red monkey (*Cercopithecus patas*), 1 gray-cheeked mangabey (*Cercocebus albigena*), 2 red-bellied monkeys (*Cercopithecus erythrogaster*) purchased.
- Dec. 2. 3 robust kangaroos (*Macropus robustus*) ♂ and ♀♀, 2 brush-tailed rock kangaroos (*Petrogale pencillata*) ♂ and ♀, 2 condor vultures (*Sarcorhamphus gryphus*) ♂ and ♀, 2 brown-throated cougars (*Conurus æruginosus*), 2 common iguanas (*Iguana tuberculata*) purchased.
- " 4. 3 red-beaked weavers (*Quelea quelea*) purchased.
- " 5. 1 western hog-nosed snake (*Heterodon nasicus*) purchased.
- " 6. 15 young boa constrictors (*Boa constrictor*) presented by S. P. Langley, Smithsonian Institution, Washington, D. C.
- " 8. 1 red-tailed buzzard (*Buteo borealis*) presented by Abraham Knepper, Philadelphia. 1 black lemur (*Lemur macaco*)♂, 2 common jerboas (*Dipus jaculus*), 2 Barbary partridges (*Caccabis petrosa*) purchased.
- " 9. 1 prong-horned antelope (*Antilocapra americana*) ♀ purchased.
- " 10. 1 alligator (*Alligator mississippiensis*) presented by Miss Willoughby, Philadelphia.
- " 12. 1 common pocket gopher (*Geomys bursarius*) presented by Engine Company No. 41, West Philadelphia.
- " 15. 1 common jerboa (*Dipus jaculus*) purchased.
- " 16. 1 sparrow hawk (*Falco sparverius*) presented by Thompson C. Gill, Philadelphia.
- " 17. 3 gray squirrels (*Sciurus carolinensis*) presented by James Heatherington, Philadelphia.
- " 18. 1 chaparral cock (*Geococcyx californianus*) purchased.
- " 19. 1 kinkajou (*Cercoleptes caudivolvulus*) born in the Gardens.
- " 21. 2 West India boas (*Boa divinitoqua*) purchased.
- " 23. 1 whistling swan (*Cygnus columbianus*) purchased. 4 desert mice (*Peromyscus eremicus*) born in the Gardens.

Dec. 29. 8 ground rattlesnakes (*Sistrurus miliarius*), 16 black snakes (*Zamenis constrictor*), 24 king snakes (*Ophibolus getulus getulus*), 8 pine snakes (*Pityophis melanoleucus*), 2 scarlet snakes (*Cemophora coccinea*), 17 whip snakes (*Zamenis flagelliformis*), 17 garter snakes (*Eutania sirtalis sirtalis*), 7 Sacken's garter snakes (*Eutania sackeni*), 7 chicken snakes (*Coluber quadrivittatus*), 26 hog-nosed snakes (*Heterodon platyrhinos*), 1 corn snake (*Coluber guttatus*), 5 indigo snakes (*Coluber corais couperi*), 2 rainbow snakes (*Abastor erythrogrammus*), 8 banded water snakes (*Tropidonotus fasciatus fasciatus*) purchased. 2 nylghaies (*Boselaphus tragocamelus*) ♀ ♀ born in the Gardens.

1900.

- Jan. 4. 1 jelerang squirrel (*Sciurus bicolor*) purchased.
 " 5. 2 opossums (*Didelphys marsupialis*) presented by Fire Engine Company No. 41, Philadelphia.
 " 7. 2 chaparral cocks (*Geococcyx californianus*), 2 Gila monsters (*Holoderma suspectum*) purchased.
 " 9. 1 green monkey (*Cercopithecus callitrichus*) presented by Mrs. E. S. Pretty, Philadelphia. 2 racoons (*Procyon lotor*) and 1 gray wolf (*Canis lupus mexicanus*) presented by Herbert Brown, Yuma, Arizona. 1 hog deer (*Cervus porcinus*) born in the Gardens.
 " 12. 1 Say's rattlesnake (*Crotalus confluentus*) received in exchange.
 13. 2 Venezuela parakeets (*Bolborhynchus lineola*) purchased.
 " 20. 2 gray-breasted parakeets (*Bolborhynchus monachus*), 1 red-shouldered parakeet (*Palæornis eupatrius*) purchased.
 " 23. 1 common macaque (*Macacus cynomolgus*) born in the Gardens.
 " 26. 1 pig-tailed macaque (*Macacus nemestrinus*) born in the Gardens.
 " 27. 1 alligator (*Alligator mississippiensis*) presented by Master John H. Gay, Philadelphia.
- Feb. 3. 1 red-tailed buzzard (*Buteo borealis*) presented by John Albert, Philadelphia.
 " 4. 4 desert mice (*Peromyscus eremicus*) born in the Gardens.
 " 5. 4 common jerboas (*Dipus jaculus*) purchased.
 " 6. 1 Moor macaque (*Macacus maurus*) born in the Gardens.
 " 7. 1 green monkey (*Cercopithecus callitrichus*) born in the Gardens. 1 pine snake (*Pityophis melanoleucus*) presented by George Griffith, Philadelphia.
 " 9. 1 nylghaie (*Boselaphus tragocamelus*) ♀ born in the Gardens.
 " 10. 3 vulpine phalangers (*Trichosurus vulpecula*) purchased. 2 flying squirrels (*Sciuropterus volucella*) presented by Charles H. Ainey, Montrose, Pa. 2 pale-headed tree boas (*Epicratis angulifer*) and 2 barn owls (*Strix flammea pratincola*) presented by Dr. Thomas Biddle and Mr. Paul Farnum, Philadelphia.
 " 12. 1 hog deer (*Cervus porcinus*) born in the Gardens.
 " 21. 3 lions (mother and young pair) (*Felis leo*), 1 golden eagle (*Aquila chrysaetos*) purchased. 2 red-tailed buzzards (*Buteo borealis*) presented by Thomas W. Shore, Philadelphia.
 " 23. 1 hog deer (*Cervus porcinus*) born in the Gardens.
 " 24. 1 prong-horned antelope (*Antilocapra americana*) purchased.
 " 27. 7 desert mice (*Peromyscus eremicus*) born in the Gardens.
 " 28. 1 fox sparrow (*Passerella iliaca*) exchanged. 1 wildcat (*Felis rufus*) purchased.



